

Title (en)

COLORLED RADIATION-SENSITIVE COMPOSITION, COLORED CURED FILM, COLOR FILTER, METHOD FOR FORMING COLORED PATTERN, METHOD FOR MANUFACTURING COLOR FILTER, SOLID STATE IMAGE SENSOR, AND IMAGE DISPLAY DEVICE

Title (de)

GEFÄRBTE LICHTEMPFINDLICHE ZUSAMMENSETZUNG, FARBIGER GEHÄRTETER FILM, FARBFILTER, VERFAHREN ZUR FORMUNG FARBIGER MUSTER, VERFAHREN ZUR HERSTELLUNG EINES FARBFILTERS, FESTKÖRPERBILDSSENSOR UND BILDANZEIGEVORRICHTUNG

Title (fr)

COMPOSITION COLORÉE SENSIBLE AU RAYONNEMENT, FILM DURCI COLORÉ, FILTRE COLORÉ, PROCÉDÉ DE FORMATION D'UN MOTIF COLORÉ, PROCÉDÉ DE FABRICATION D'UN FILTRE COLORÉ, CAPTEUR D'IMAGE À L'ÉTAT SOLIDE ET DISPOSITIF D'AFFICHAGE D'IMAGES

Publication

EP 2829916 A1 20150128 (EN)

Application

EP 13765092 A 20130315

Priority

- JP 2012062847 A 20120319
- JP 2013027767 A 20130215
- JP 2013057399 W 20130315

Abstract (en)

Colored radiation-sensitive composition includes (A) a dye multimer, (B) an alkali-soluble resin containing at least one kind of repeating unit selected from a group consisting of a repeating unit represented by the following Formula (b1) and a repeating unit represented by the following Formula (b2), (C) a polymerizable compound, and (D) a photopolymerization initiator. In the formulae, each of R 1 and R 4 independently represents a hydrogen atom, an aryl group, or an alkyl group, and among these, an aryl group is preferable. R 2 represents a hydrogen atom or a methyl group, R 3 represents an alkylene group having 2 or 3 carbon atoms, and m represents an integer from 1 to 15.

IPC 8 full level

G03F 7/033 (2006.01); **G02B 5/20** (2006.01); **G02B 5/22** (2006.01); **G03F 7/004** (2006.01)

CPC (source: EP KR US)

B29D 11/00634 (2013.01 - EP KR US); **C09B 69/101** (2013.01 - EP US); **C09B 69/103** (2013.01 - EP US); **C09B 69/105** (2013.01 - EP US); **C09B 69/106** (2013.01 - EP US); **C09B 69/108** (2013.01 - EP US); **C09B 69/109** (2013.01 - EP US); **G02B 1/04** (2013.01 - EP KR US); **G02B 5/201** (2013.01 - EP KR US); **G02B 5/23** (2013.01 - KR US); **G03F 7/0007** (2013.01 - EP KR US); **G03F 7/033** (2013.01 - EP KR US); **G03F 7/105** (2013.01 - EP KR US); **Y10S 430/106** (2013.01 - KR)

C-Set (source: EP US)

1. **G02B 1/04 + C08L 33/08**
2. **G02B 1/04 + C08L 33/10**
3. **G02B 1/04 + C08L 33/24**

Citation (search report)

See references of WO 2013141156A1

Cited by

CN106977980A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2829916 A1 20150128; CN 104185815 A 20141203; CN 104185815 B 20180323; JP 2013225112 A 20131031; JP 5934664 B2 20160615; KR 101736259 B1 20170516; KR 20140111697 A 20140919; TW 201339760 A 20131001; TW I559087 B 20161121; US 2015010856 A1 20150108; US 9268063 B2 20160223; WO 2013141156 A1 20130926

DOCDB simple family (application)

EP 13765092 A 20130315; CN 201380012837 A 20130315; JP 2013027767 A 20130215; JP 2013057399 W 20130315; KR 20147022067 A 20130315; TW 102109559 A 20130318; US 201414489631 A 20140918